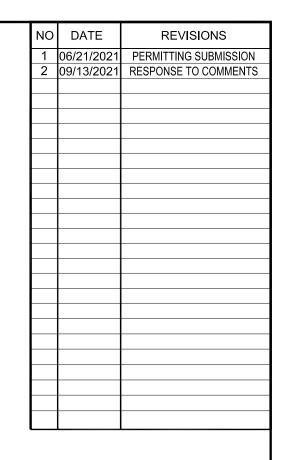
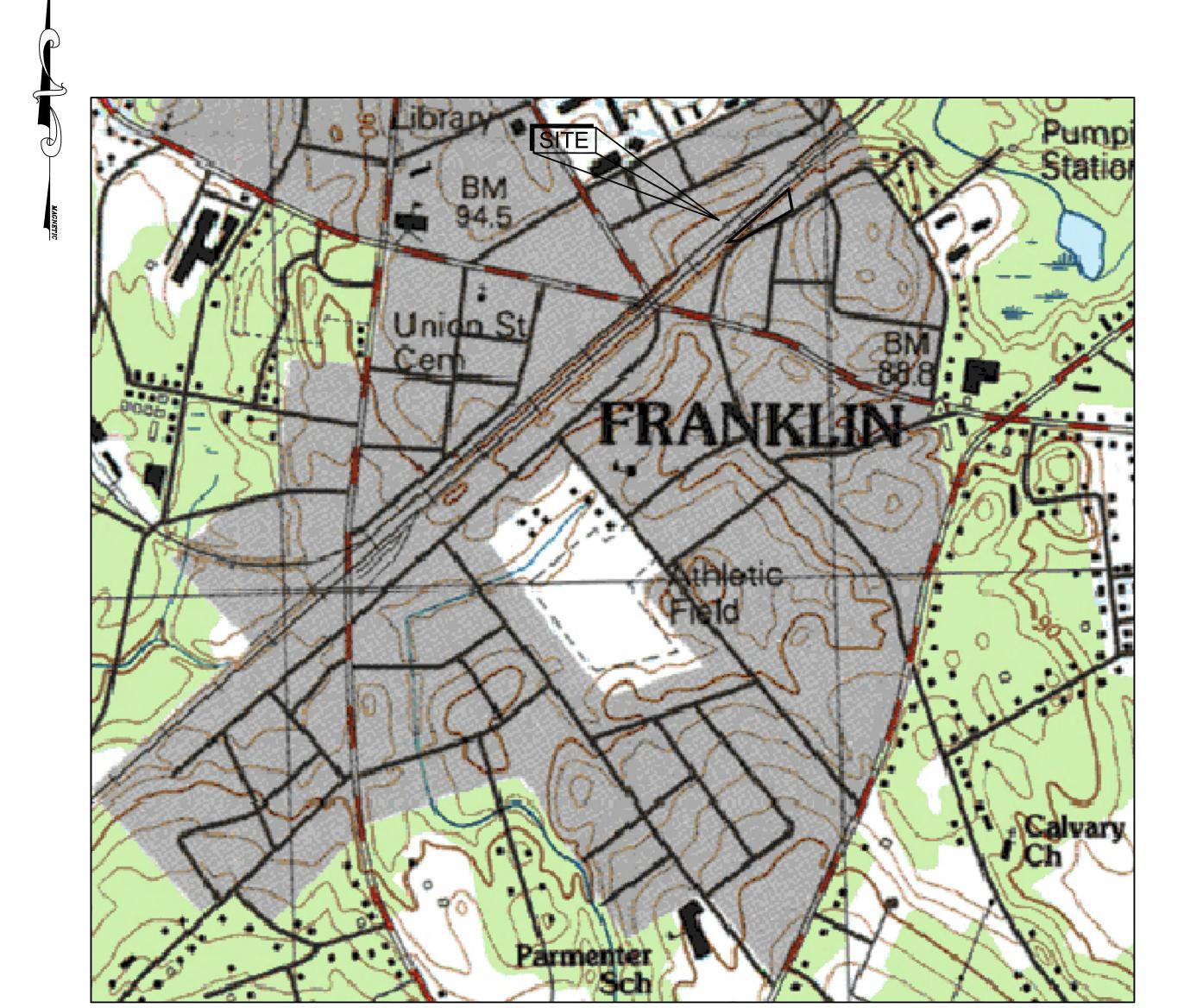
THE ENGINE YARD

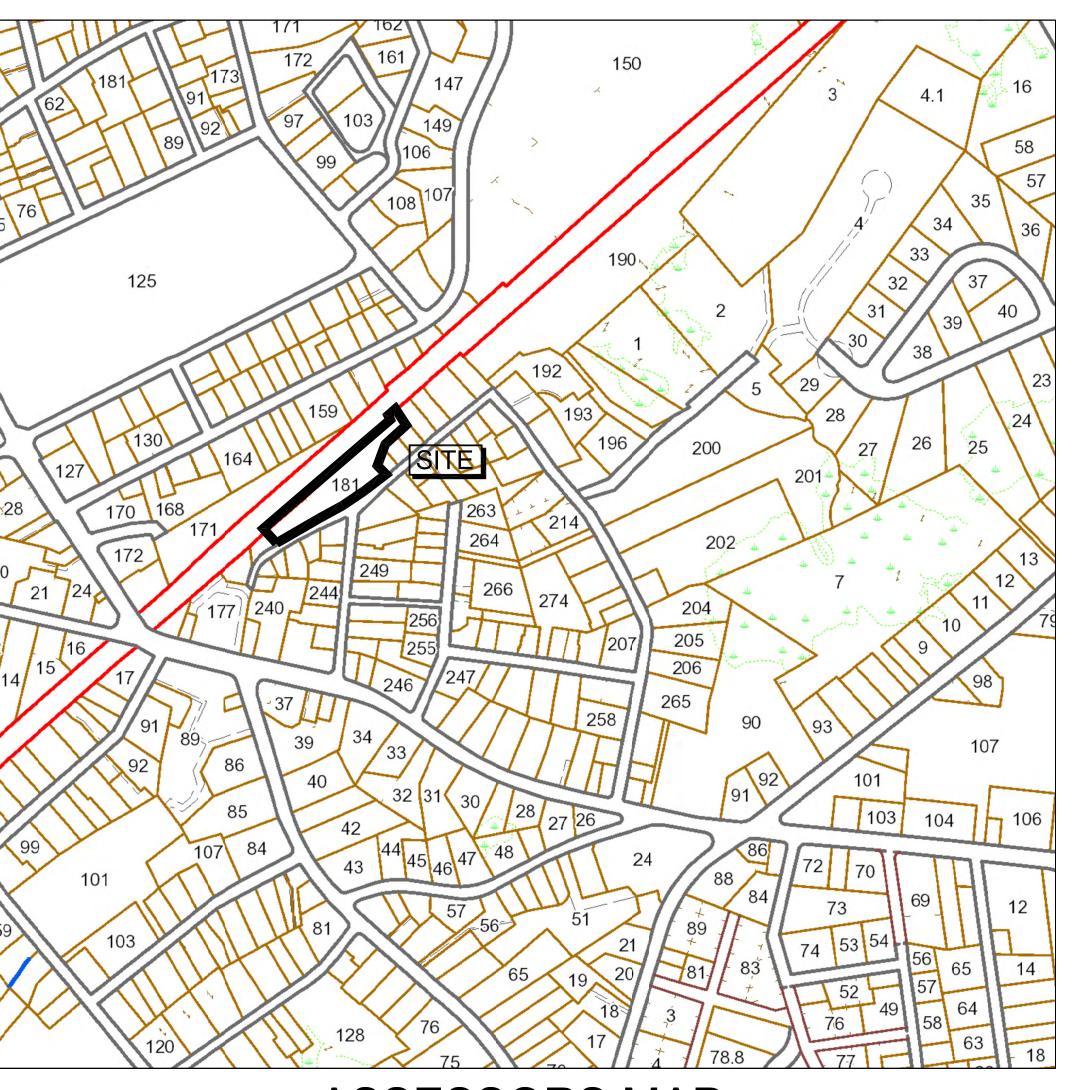
SITE REDEVELOPMENT 40 ALPINE ROW FRANKLIN, MASSACHUSETTS





USGS MAP

SCALE: 1"= 1,000'±



ASSESSORS MAP

SCALE: 1"= 250'±

APPLICANT:

WALKER DEVELOPMENT & CONSTRUCTION 5 MT. ROYAL AVE MARLBOROUGH, MA 01752

CIVIL ENGINEER:



PROPERTY ADDRESS:

40 ALPINE ROW FRANKLIN, MASSACHUSETTS

ASSESSORS MAP/PARCEL:

279-181-000-000

ZONING DISTRICT:
DOWNTOWN COMMERCIAL

DRAWING LIST:

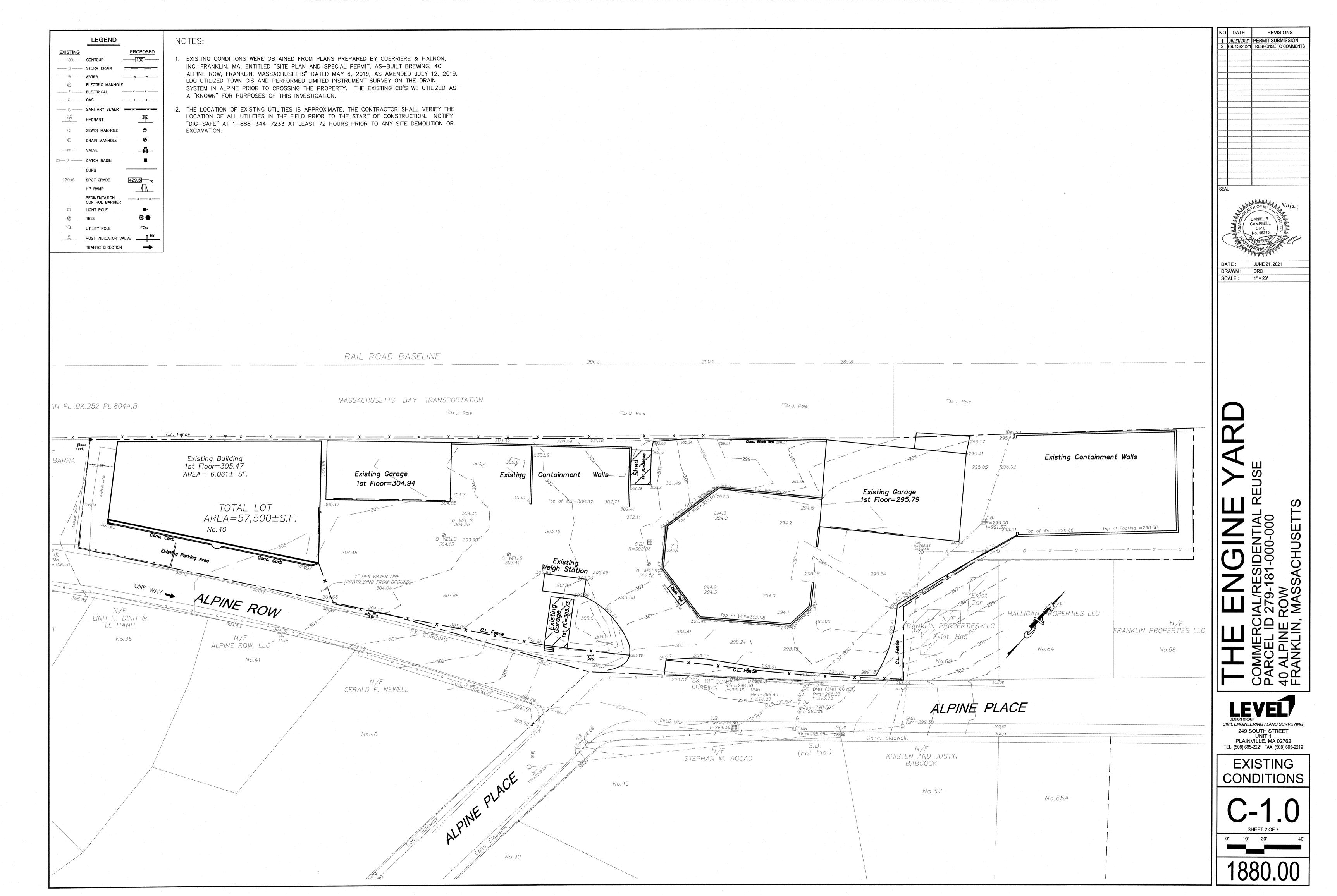
C-0.0	COVER
C-1.0	EXISTING CONDITIONS
C-2.0	LAYOUT AND MATERIALS
C-3.0	GRADING AND UTILITIES
C-3.1	EROSION CONTROL
C-4.0	TYPICAL DETAILS
C-4.1	TYPICAL DETAILS

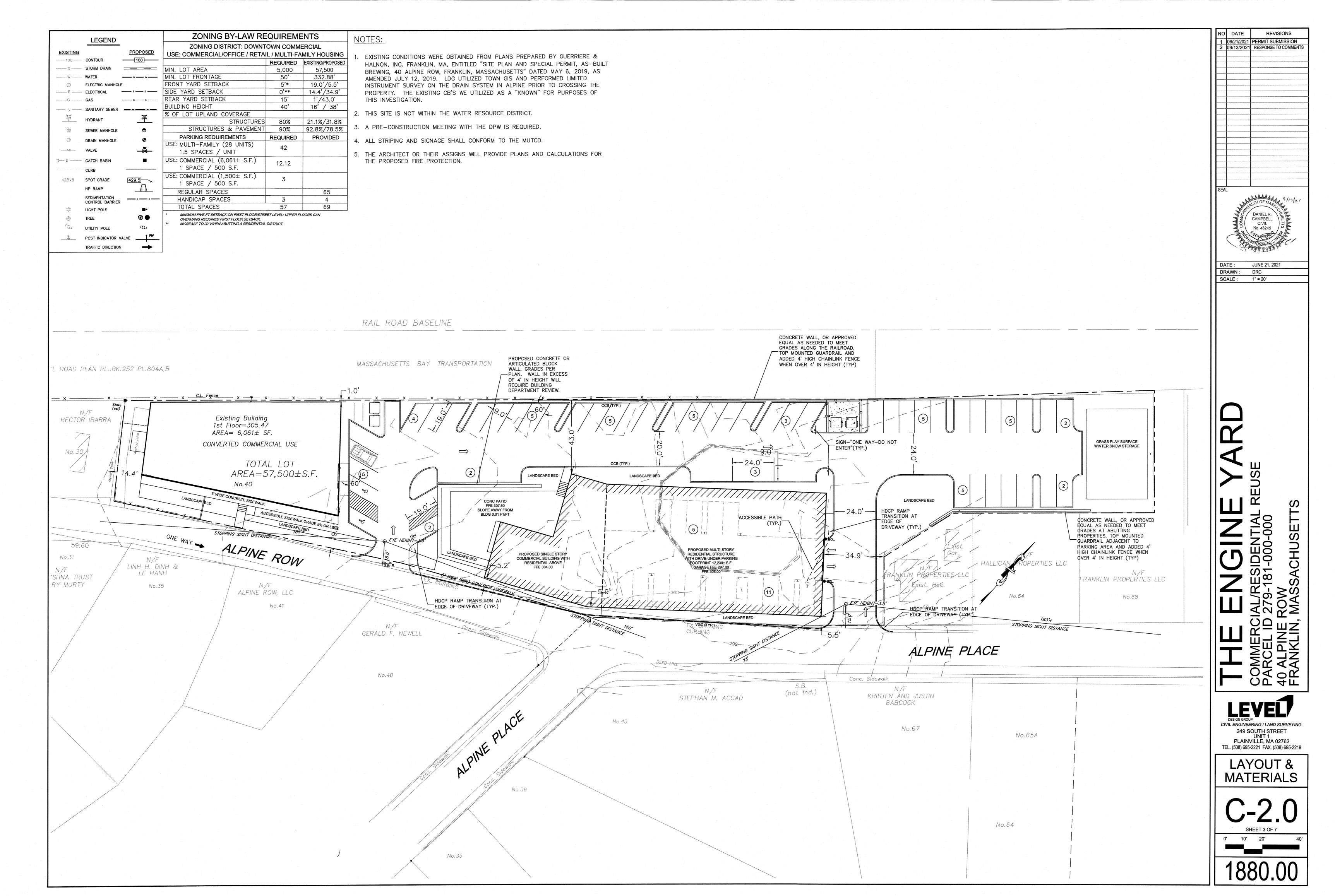
LA-01-LA-04 LANDSCAPE PLANS AL-001 PHOTOMETRIC

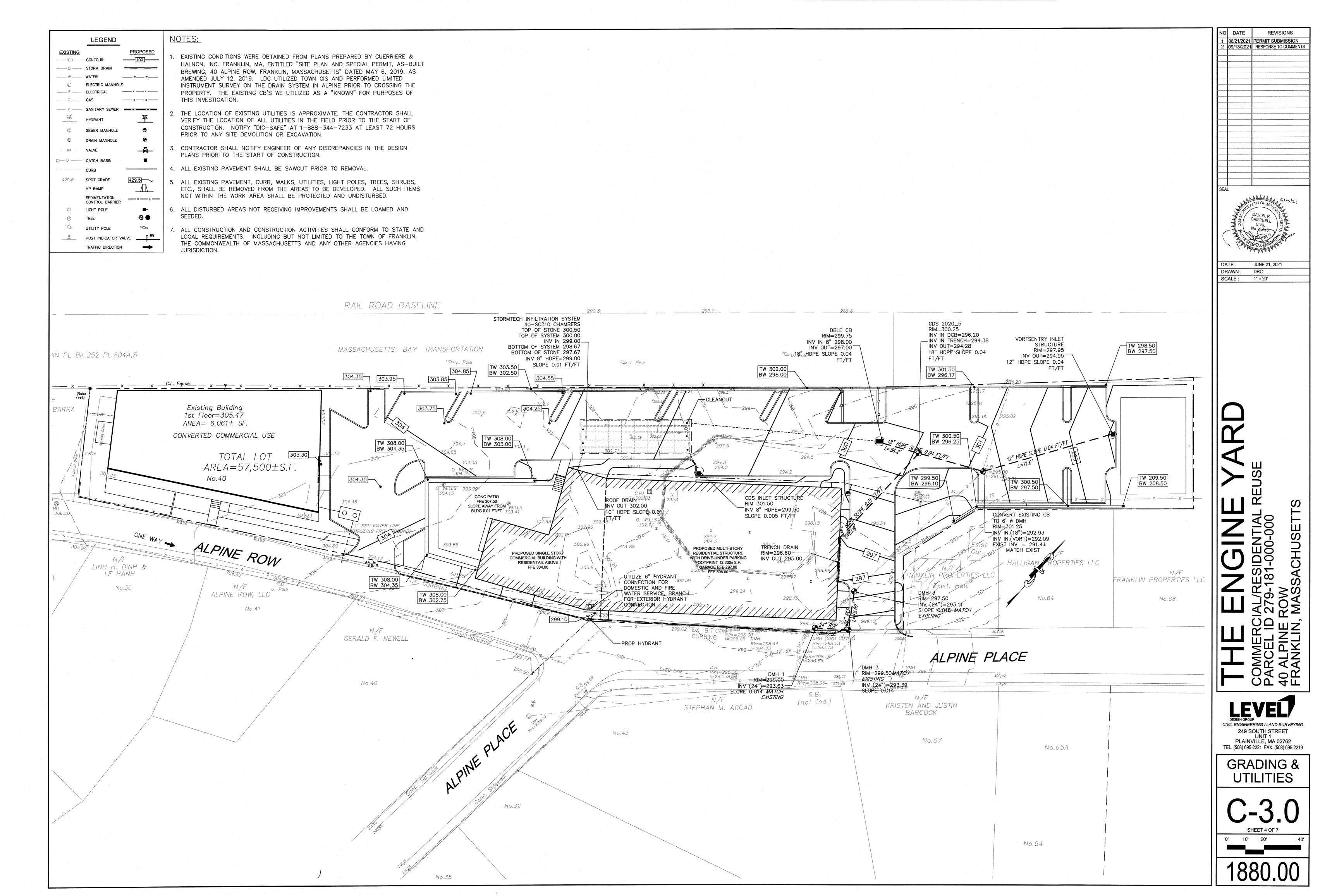
A031 EXISTING BUILDING ELEVATIONS
A200 EXTERNAL ELEVATIONS
A201 EXTERNAL ELEVATIONS

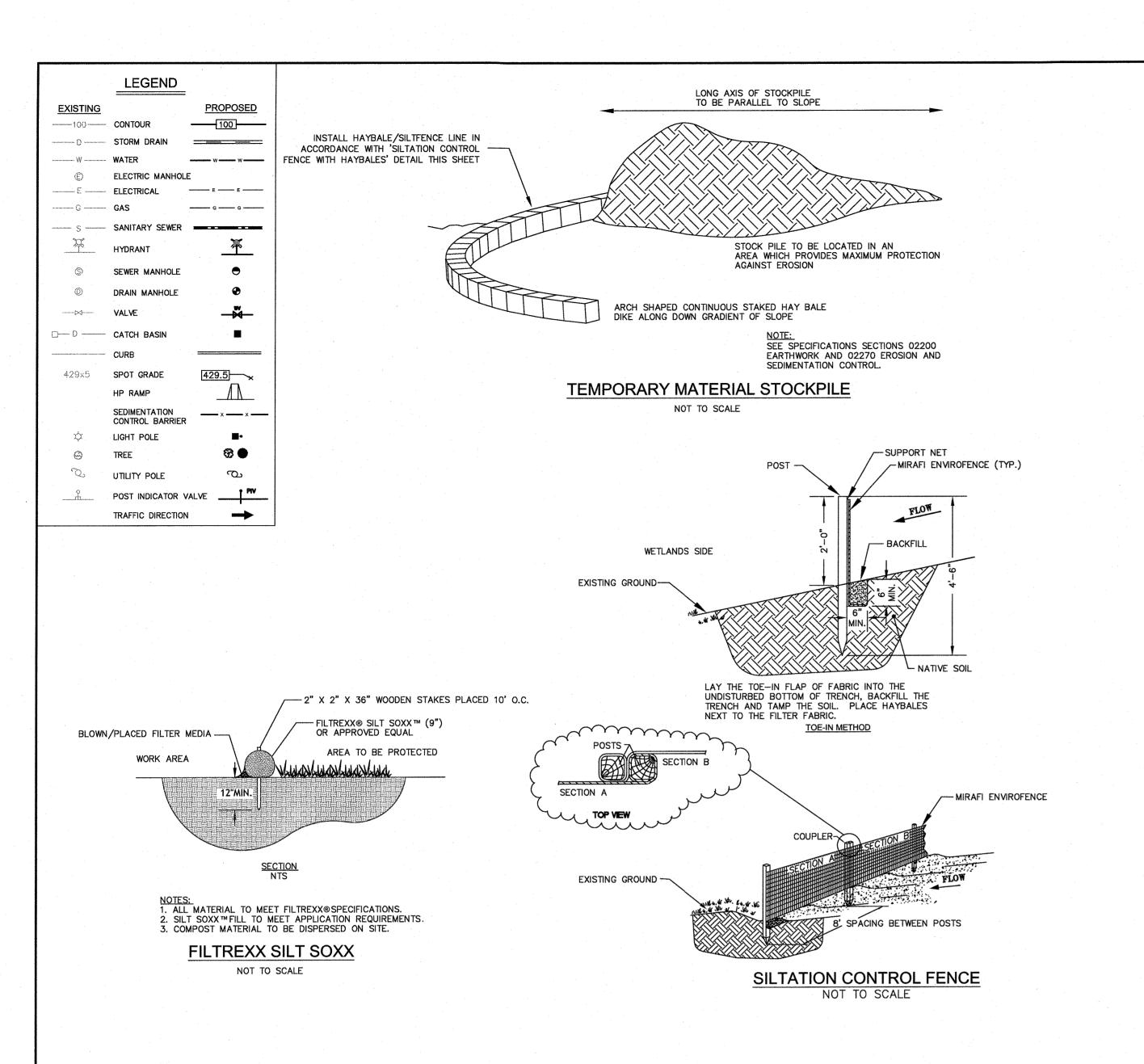
A201 EXTERNAL ELEVATIONS
A202 EXTERNAL ELEVATIONS
A210 EXTERNAL SIGNAGE

PROPOSED BUILDING RENDERINGS





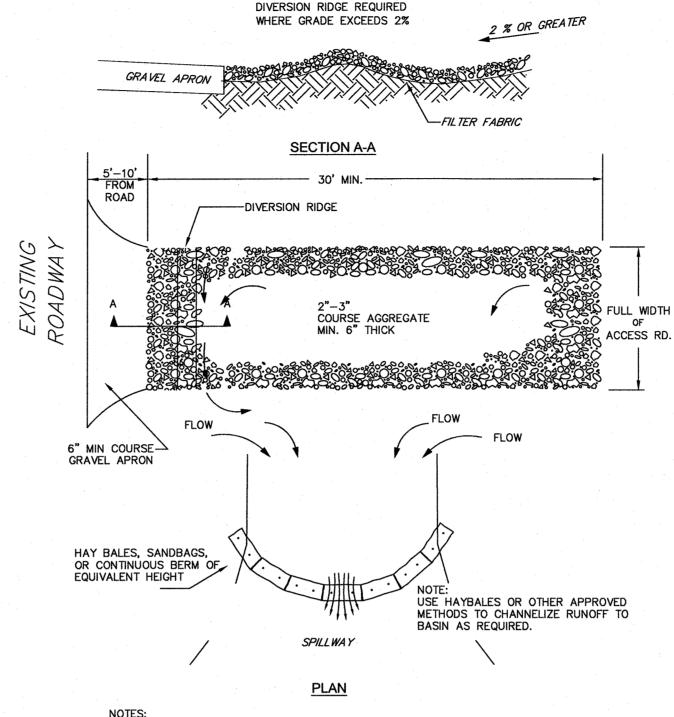




RAIL ROAD BASELINE

GENERAL NOTES:

- REFER TO SHEET C-1.0 FOR EXISTING CONDITIONS AND PROPERTY BOUNDARY NOTES.
- REFER TO SHEET C-2.0 FOR CONSTRUCTION SEQUENCE AND NOTES.



NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITIONS THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO

3. WHEN WASHING IS REQUIRED IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS TO AN APPROVED SEDIMENT TRAP OR

TEMPORARY CONSTRUCTION
ENTRANCE/EXIT DETAIL
NOT TO SCALE

SILTFENCE ALONG RAILROAD 9" COMPOST SOCK MASSACHUSETTS BAY TRANSPORTATION Os U. Pole .N PL.,BK.252 PL.804A,B Du U. Pole BARRA 1st Floor=305.47 $AREA = 6,061 \pm SF.$ CONVERTED COMMERCIAL USE TW 308.00 BW 304.35 TOTAL LOT *AREA*=57,500±S.F. ONE WAY - ALPINE ROW LINH H. DINH & LE HANH FRANKLIN PROPERTIES LLC No.35 ALPINE ROW, LLC No.68 GERALD F. NEWELL SILT SACK (TYPS) ALPINE PLACE (not fnd.) KRISTEN AND JUSTIN STEPHAN M. ACCAD BABCOCK No.65A

EROSION CONTROL NOTES

SILTATION CONTROL USING EROSION CONTROL FENCE WITH STRAW WATTLE, OR APPROVED EQUAL EROSION CONTROL LINE IS TO BE VISUALLY INSPECTED AFTER EVERY RAIN FALL AND REPAIRS MADE AS REQUIRED TO THE SILTATION CONTROL FENCE AND STRAW WATTLE AFTER EACH RAIN FALL. CLEANOUT OF ACCUMULATED SEDIMENT BEHIND THE WATTLE IS NECESSARY IF ½ OF THE ORIGINAL HEIGHT OF THE WATTLE APPEARS TO HAVE BEEN INUNDATED WITH SEDIMENT.

PRESERVE TOPSOIL

SITE OWNERS AND OPERATORS MUST PRESERVE EXISTING TOPSOIL ON THE CONSTRUCTION SITE TO THE MAXIMUM EXTENT FEASIBLE AND AS NECESSARY TO SUPPORT HEALTHY VEGETATION, PROMOTE SOIL STABILIZATION, AND INCREASE STORMWATER INFILTRATION RATES IN THE POST—CONSTRUCTION PHASE OF THE PROJECT.

STABILIZATION OF SOILS

UPON COMPLETION AND ACCEPTANCE OF SITE PREPARATION AND INITIAL INSTALLATION OF EROSION, RUNOFF, AND SEDIMENT CONTROLS AND TEMPORARY POLLUTION PREVENTION MEASURES, THE OPERATOR SHALL INITIATE APPROPRIATE TEMPORARY OR PERMANENT STABILIZATION PRACTICES DURING ALL PHASES OF CONSTRUCTION ON ALL DISTURBED AREAS AS SOON AS POSSIBLE, BUT NOT MORE THAN FOURTEEN (14) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED. SLOPES IN EXCESS OF 3:1 SHALL HAVE 22 MONTH EROSION CONTROL FABRIC INSTALLED OVER A SLOPE MIX SEED MIX WITH TACKIFIER UNLESS OTHERWISE SPECIFIED.

ANY DISTURBED AREAS THAT WILL NOT HAVE ACTIVE CONSTRUCTION ACTIVITY OCCURRING WITHIN 14 DAYS MUST BE STABILIZED USING THE CONTROL MEASURES DEPICTED IN SITE PLANS, IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN, AND PER MANUFACTURER PRODUCT SPECIFICATIONS.

ONLY AREAS THAT CAN BE REASONABLY EXPECTED TO HAVE ACTIVE CONSTRUCTION WORK BEING PERFORMED WITHIN 14 DAYS OF DISTURBANCE WILL BE CLEARED/GRUBBED AT ANY ONE TIME. IT IS NOT ACCEPTABLE TO CLEAR AND GRUB THE ENTIRE CONSTRUCTION SITE IF PORTIONS WILL NOT BE ACTIVE WITHIN THE 14-DAY TIME FRAME. PROPER PHASING OF CLEARING AND GRUBBING ACTIVITIES SHALL INCLUDE TEMPORARY STABILIZATION TECHNIQUES FOR AREAS CLEARED AND GRUBBED THAT WILL NOT BE ACTIVE WITHIN THE 14-DAY TIME FRAME.

STORMWATER INLET PROTECTION

INLET PROTECTION — WILL BE UTILIZED TO PREVENT SOIL AND DEBRIS FROM ENTERING STORM DRAIN INLETS AND SHALL BE INSTALLED WITHIN BASINS DOWNSTREAM OF DISTURBANCE WITHIN 200' OF THE PROPOSED DISTURBANCE. THESE MEASURES ARE USUALLY TEMPORARY AND ARE IMPLEMENTED BEFORE A SITE IS DISTURBED.

MAINTENANCE - THE OPERATOR MUST CLEAN, OR REMOVE AND REPLACE THE INLET PROTECTION MEASURES AS SEDIMENT ACCUMULATES, THE FILTER BECOMES CLOGGED, AND/OR AS PERFORMANCE IS COMPROMISED. ACCUMULATED SEDIMENT ADJACENT TO THE INLET PROTECTION MEASURES SHOULD BE REMOVED BY THE END OF THE SAME WORK DAY IN WHICH IT IS FOUND OR BY THE END OF THE FOLLOWING WORK DAY IF REMOVAL BY THE SAME WORK DAY IS NOT FEASIBLE.

STORMWATER BASINS — ALL AREAS CONTAINING STORMWATER BASINS (ABOVE OR BELOW GROUND) SHALL BE PROTECTED THROUGHOUT CONSTRUCTION. THESE ARES ARE NOT BE USED FOR MATERIAL STOCKPILES OR FOR PARKING EQUIPMENT. SURFACE BASINS ARE TO BE ROUGH GRADED AND PROTECTED UNTIL STABILIZED AND BROUGHT ON—LINE FOR STORMWATER MANAGEMENT OF THE STABILIZED SITE.

ONSTRUCTION ENTRANCES

CONSTRUCTION ENTRANCES SHALL BE USED IN CONJUNCTION WITH THE STABILIZATION OF CONSTRUCTION ROADS TO REDUCE THE AMOUNT OF SEDIMENT TRACKING OFF THE PROJECT. ANY CONSTRUCTION SITE ACCESS POINT MUST EMPLOY THE CONTROL MEASURES ON THE APPROVED SITE PLANS AND IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN. CONSTRUCTION ENTRANCES SHALL BE USED IN CONJUNCTION WITH THE STABILIZATION OF CONSTRUCTION ROADS TO REDUCE THE AMOUNT OF MUD PICKED UP BY CONSTRUCTION VEHICLES. ALL CONSTRUCTION ACCESS ROADS SHALL BE CONSTRUCTED PRIOR TO ANY ROADWAY ACCEPTING CONSTRUCTION TRAFFIC.

THE SITE OWNER AND OPERATOR MUST WILL RESTRICT VEHICLE USE TO PROPERLY DESIGNATED EXIT POINTS, USE PROPERLY DESIGNED AND CONSTRUCTED CONSTRUCTION ENTRANCES AT ALL POINTS THAT EXIT ONTO PAVED ROADS SO THAT SEDIMENT REMOVAL OCCURS PRIOR TO VEHICLE EXIT. WHEN AND WHERE NECESSARY, USE ADDITIONAL CONTROLS TO REMOVE SEDIMENT FROM VEHICLE TIRES PRIOR TO EXIT (I.E. WHEEL WASHING RACKS, RUMBLE STRIPS, AND RATTLE PLATES). WHERE SEDIMENT HAS BEEN TRACKED OUT FROM THE CONSTRUCTION SITE ONTO THE SURFACE OF OFF—SITE STREETS, OTHER PAVED AREAS, AND SIDEWALKS, THE DEPOSITED SEDIMENT MUST BE REMOVED BY THE END OF THE SAME WORK DAY IN WHICH THE TRACK OUT OCCURS. TRACK—OUT MUST BE REMOVED BY SWEEPING, SHOVELING, OR VACUUMING THESE SURFACES, OR BY USING OTHER SIMILARLY EFFECTIVE MEANS OF SEDIMENT REMOVAL.

STOCKPILE CONTAINMENT

SHALL BE USED ONSITE TO MINIMIZE OR ELIMINATE THE DISCHARGE OF SOIL, TOPSOIL, BASE MATERIAL OR RUBBLE, FROM ENTERING DRAINAGE SYSTEMS OR SURFACE WATERS. ALL STOCKPILES MUST BE LOCATED WITHIN THE LIMIT OF DISTURBANCE, PROTECTED FROM RUN—ON WITH THE USE OF TEMPORARY SEDIMENT BARRIERS AND PROVIDED WITH COVER OR STABILIZATION TO AVOID CONTACT WITH PRECIPITATION AND WIND WHERE AND WHEN PRACTICAL. STOCK PILE MANAGEMENT CONSISTS OF PROCEDURES AND PRACTICES DESIGNED TO MINIMIZE OR ELIMINATE THE DISCHARGE OF STOCKPILED MATERIAL (SOIL, TOPSOIL, BASE MATERIAL, RUBBLE) FROM ENTERING DRAINAGE SYSTEMS OR SURFACE WATERS.

FOR ANY STOCKPILES OR LAND CLEARING DEBRIS COMPOSED, IN WHOLE OR IN PART, OF SEDIMENT OR SOIL, YOU MUST COMPLY WITH THE FOLLOWING REQUIREMENTS — LOCATE PILES WITHIN THE DESIGNATED LIMITS OF DISTURBANCE OUTSIDE OF THE 100-FOOT BUFFER ZONE, PROTECT FROM CONTACT WITH STORMWATER (INCLUDING RUN-ON) USING A TEMPORARY PERIMETER SEDIMENT BARRIER; WHERE PRACTICABLE, PROVIDE COVER OR APPROPRIATE TEMPORARY VEGETATIVE OR STRUCTURAL STABILIZATION TO AVOID DIRECT CONTACT WITH PRECIPITATION OR TO MINIMIZE SEDIMENT DISCHARGE; NEVER HOSE DOWN OR SWEEP SOIL OR SEDIMENT ACCUMULATED ON PAVEMENT OR OTHER IMPERVIOUS SURFACES INTO ANY STORMWATER CONVEYANCE, STORM DRAIN INLET, OR SURFACE WATER; TO THE MAXIMUM EXTENT PRACTICABLE, CONTAIN AND SECURELY PROTECT FROM WIND.

TEMPORARY SEDIMENT BASINS

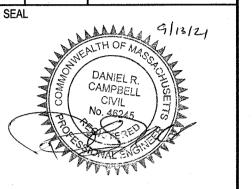
IF REQUIRED, ADDITIONAL TEMPORARY SEDIMENT BASINS SHALL BE CONSTRUCTED TO MITIGATE THE POTENTIAL SEDIMENT LOADING TO THE ADJACENT RESOURCE AREAS. TEMPORARY SEDIMENT BASINS ARE TO BE LOCATED OUTSIDE OF THE 50-FOOT BUFFER ZONE TO THE BORDERING VEGETATED WETLANDS AND SHALL NOT BE LOCATED IN AN AREA WHERE AN INFILTRATION BASIN IS PROPOSED. TEMPORARY SEDIMENT BASIN GRADING LOCATION SHALL BE DICTATED BY THE DESIGN ENGINEER. AT A MINIMUM THE THE VOLUME OF THE TEMPORARY SEDIMENT BASIN, AS MEASURED FROM THE BOTTOM OF THE BASE TO THE ELEVATION OF THE CREST OF THE PRINCIPAL SPILLWAY SHALL BE AT LEAST 3,600 CUBIC FEET PER ACRE OF DRAINAGE AREA. THIS 3,600 CUBIC FEET IS EQUIVALENT TO 1.0 INCH OF SEDIMENT PER ACRE OF DRAINAGE AREA. ADDITIONAL STORAGE IN THE FORM OF A PERMANENT WET POOL SHALL BE PROVIDED WHENEVER PRACTICABLE, BUT MAY NOT BE USED TO FULFILL THE TEMPORARY STORAGE VOLUME REQUIREMENT.

SEDIMENT BASINS SHALL BE CLEANED OUT WHEN THE VOLUME REMAINING AS DESCRIBED ABOVE IS REDUCED BY SEDIMENTATION TO 1,800 CUBIC FEET PER ACRE OF DRAINAGE AREA (50 PERCENT FULL). IN NO CASE SHALL THE SEDIMENT LEVEL BE PERMITTED TO BUILD UP HIGHER THAN ONE FOOT BELOW THE PRINCIPAL SPILLWAY CREST. AT THIS ELEVATION, CLEANOUT SHALL BE PERFORMED TO RESTORE THE ORIGINAL DESIGN VOLUME TO THE SEDIMENT BASIN. THE ELEVATION OF THE MAXIMUM ALLOWABLE SEDIMENT LEVEL SHALL BE DETERMINED AND SHALL BE STATED IN THE DESIGN DATA AS A DISTANCE BELOW THE TOP OF THE RISER AND BE CLEARLY MARKED ON THE RISER. NO AREA OF DETENTION SHALL BE UTILIZED FOR TEMPORARY EROSION CONTROL OR DEWATERING ACTIVITIES.

1 06/21/2021 PERMIT SUBMISSION
2 09/13/2021 RESPONSE TO COMMENTS

REVISIONS

NO DATE



DATE: JUNE 21, 2021

DRAWN: DRC

SCALE: 1" = 20'

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MARRIAL/RESIDENTIAL REUSE

RCEL ID 279-181-000-000

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LEVET

DESIGN GROUP

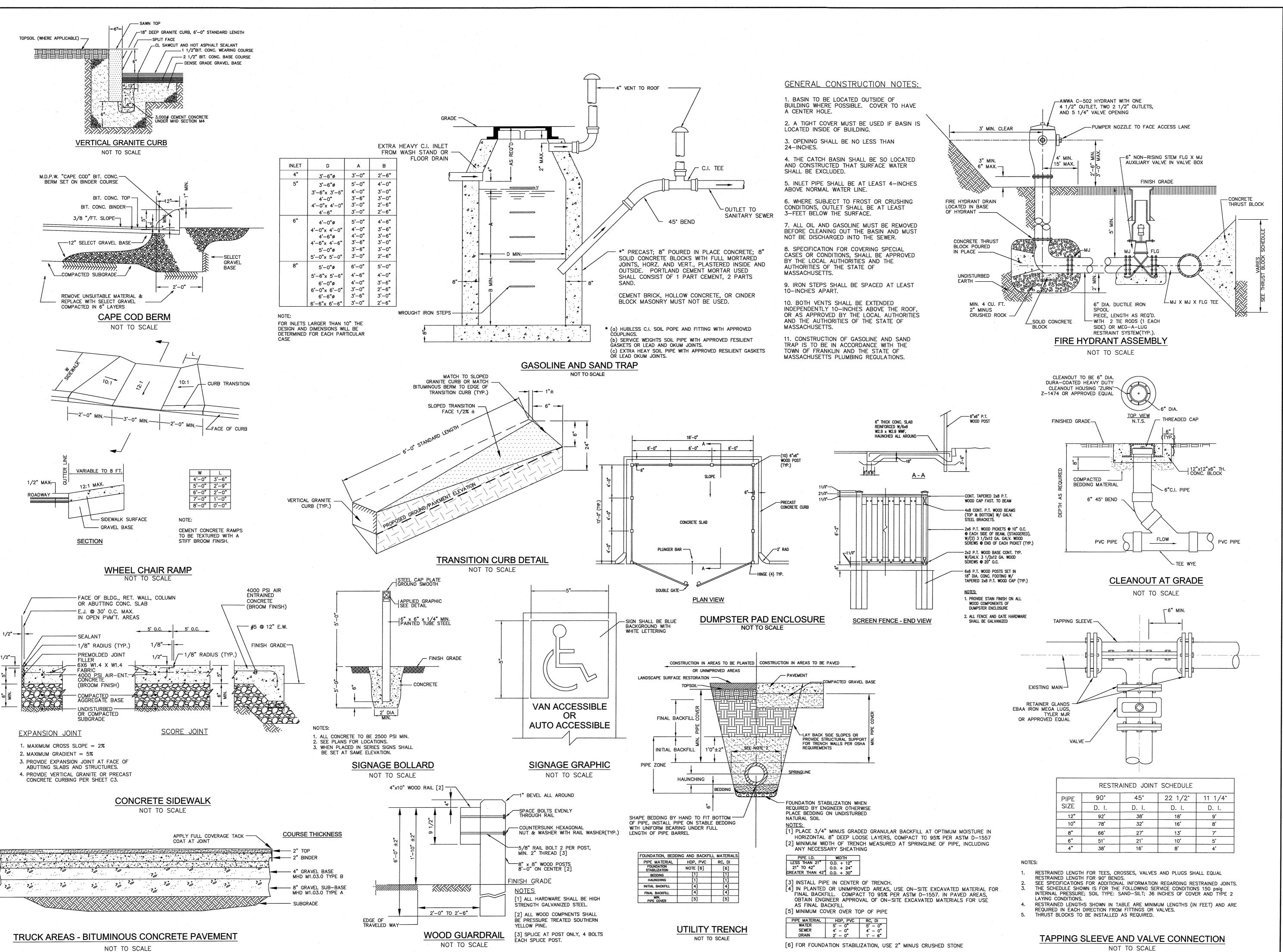
CIVIL ENGINEERING / LAND SURVEYING

249 SOUTH STREET
UNIT 1
PLAINVILLE, MA 02762
TEL. (508) 695-2221 FAX. (508) 695-2219

EROSION
CONTROL

C-3.1

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PERMIT SUBMISSION 06/21/2021 09/13/2021 RESPONSE TO COMMENTS , MARAGA, 9/13/21 DANIELE CAMPBELL CIVIL No. 46245 JUNE 21, 2021 DRAWN: DRC SCALE: 1" = 20'

NO DATE

REVISIONS

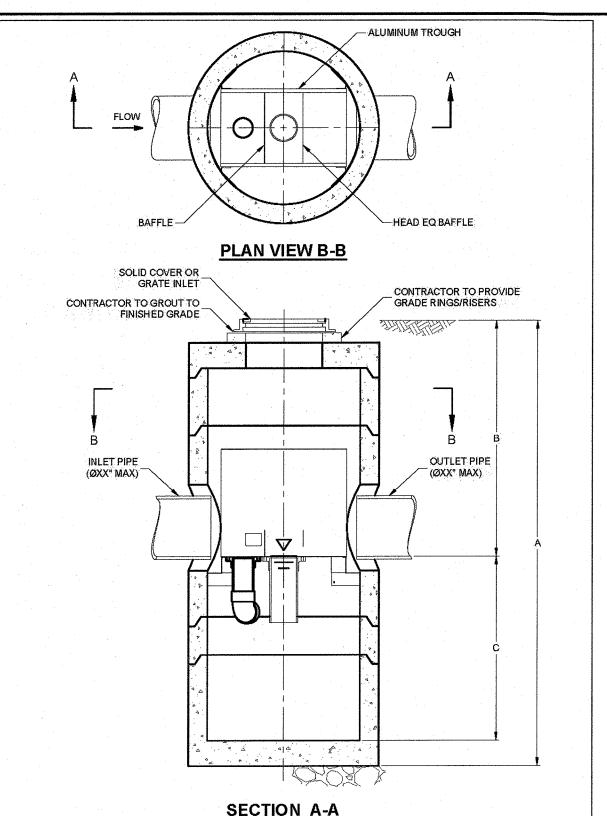
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CIVIL ENGINEERING / LAND SURVEYING 249 SOUTH STREET PLAINVILLE, MA 02762

TEL. (508) 695-2221 FAX. (508) 695-2219

TYPICAL DETAILS

SHEET 6 OF 7



FIBERGLASS SEPARATION CYLINDER AND INLET

VORTSENTRY HS DESIGN NOTES HE STANDARD SOLID COVER CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. **CONFIGURATION OPTION DESCRIPTION** GRATE INLET (NO INLET PIPE GRATE INLET WITH INLET PIPE

		VOR	TSFN'	TRY H	IS GE	NFRA	L INFO	ORMA	TION	· · · · · · · · · · · · · · · · · · ·		
Model		ihole ter (ID)	Typica Distan	al Total ce Rim utside tom	Typ Distan to Ir	pical ce Rim nvert	Typica Below (ins	I Depth Invert ide)	Appro Mini Distan	ximate mum ce Rim overt	Maximu Diame	ım Pipe ter (ID)
1.	FT	mm	FT	m	FT	m	FT	mm	FT	m	IN	mm
HS36	3	900	10.16	3.10	4.08	1.24	5.58	1702	3.00	0.91	18	450
HS48	4	1200	13.25	4.04	6.00	1.83	6.75	2057	4.00	1.22	24	600
HS60	. 5	1500	15.13	4.61	6.50	1.98	7.96	2426	4.82	1.47	30	750
HS72	6	1800	16.56	5.05	6.75	2.06	9.15	2788	5.59	1.70	36	900
HS84	7	2100	18.85	5.75	7.75	2.36	10.35	3156	5.00	1.52	42	1050
HS96	8	2400	20.87	6.36	8.50	2.59	11.54	3518	6.91	2.11	48	1200

GENERAL NOTES 1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWIS

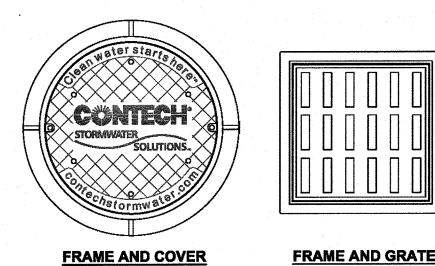
- DIMENSIONS MARKED WITH () ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY. . FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE, www.ContechES.com VORTSENTRY HS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION
- 5. STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET AASHTO M306 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.

INSTALLATION NOTES 1. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS

INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

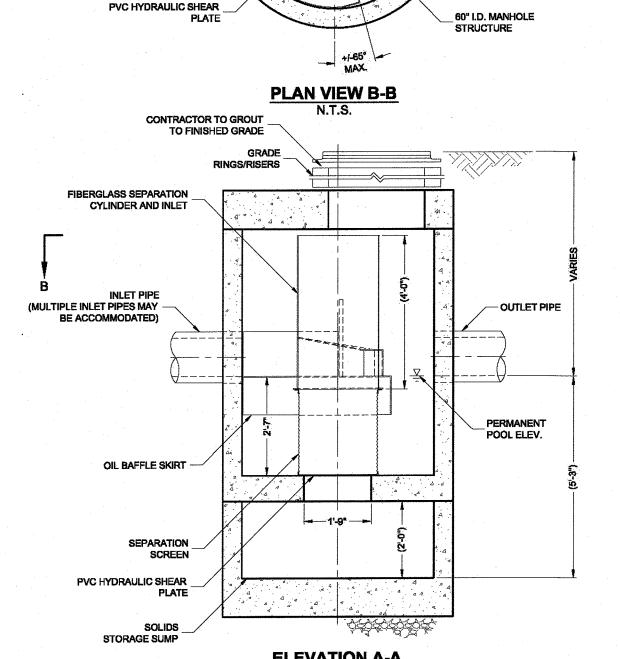
AND SHALL BE SPECIFIED BY ENGINEER OF RECORD. 2. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE VORTSENTRY HS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED) S. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. 5. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE

VORTSENTRY DETAILS AND SPECIFICATIONS



N.T.S.

N.T.S.



<u>3ENERAL NOTES</u> I. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.

SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

- 2. DIMENSIONS MARKED WITH () ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY 3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH CONSTRUCTION PRODUCTS REPRESENTATIVE, www.contech-coi.com
- 4. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING 5. STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET AASHTO M306 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. 6. PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING

INSTALLATION NOTES 1. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED

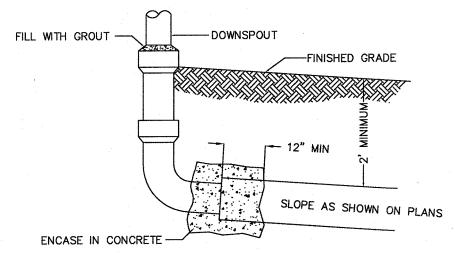
- 2. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE
- 4. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
 5. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS

CDS 2020-5-G UNIT (STANDARD)

CDS2020-5-C DESIGN NOTES	•
CDS2020-5-C RATED TREATMENT CAPACITY IS 2.2 CFS, OR PER LOCAL REGULATIONS. THE STANDARD CDS2020-5-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.	FILL WITH GROUT -
CONFIGURATION DESCRIPTION	
GRATED INLET ONLY (NO INLET PIPE)	
GRATED INLET WITH INLET PIPE OR PIPES	
CURB INLET ONLY (NO INLET PIPE)	
CURB INLET WITH INLET PIPE OR PIPES	
SEPARATE OIL BAFFLE (SINGLE INLET PIPE REQUIRED FOR THIS CONFIGURATION)	
SEDIMENT WEIR FOR NJDEP / NJCAT CONFORMING UNITS	

TOP SLAB ACCESS

(SEE FRAME AND COVER



DOWNSPOUT CONNECTION TO DRAINAGE OUTLET

CHAMBERS SHALL BE STORMTECH SC-740 OR SC-310. CHAMBERS SHALL BE MANUFACTURED FROM VIRGIN POLYPROPYLENE OR POLYETHYLENE RESINS. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORT PANELS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR

- THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL. AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE
- CHAMBERS SHALL MEET ASTM F2922 (POLYETHYLENE) OR ASTM F2418-16 (POLYPROPYLENE), "STANDARD SPECIFICATION FOR THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS'

STORMTECH CHAMBER SPECIFICATIONS

- CHAMBERS SHALL BE DESIGNED AND ALLOWABLE LOADS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLAST CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. THE CHAMBER MANUFACTURER SHALL SUBMIT THE FOLLOWING UPON REQUEST TO THE SITE DESIGN ENGINEER FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE:
- A STRUCTURAL EVALUATION SEALED BY A REGISTERED PROFESSIONAL ENGINEER TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY AASHTO FOR THERMOPLASTIC PIPE.
- A STRUCTURAL EVALUATION SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATES THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET. THE 50 YEAR CREEP MODULUS DATA SPECIFIED IN ASTM F2418 OR ASTM F2922 MUST BE USED AS PART OF THE AASHTO STRUCTURAL EVALUATION TO VERIFY LONG-TERM PERFORMANCE.
- c. STRUCTURAL CROSS SECTION DETAIL ON WHICH THE STRUCTURAL EVALUATION IS

CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF

- THE SC-310/SC-740 SYSTEM STORMTECH SC-310 & SC-740 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING
- WITH THE INSTALLERS. 2. STORMTECH SC-310 & SC-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH
- THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE". CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED
- OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS: STONESHOOTER LOCATED OFF THE CHAMBER BED. BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE
- OR SUBGRADE. BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
- 4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING
- 5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
- 6. MAINTAIN MINIMUM 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
- EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR
- THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
- ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

- STORMTECH SC-310 & SC-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
- 2. THE USE OF CONSTRUCTION EQUIPMENT OVER SC-310 & SC-740 CHAMBERS IS LIMITED: NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS. NO RUBBER TIRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE"
- WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
- 3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE

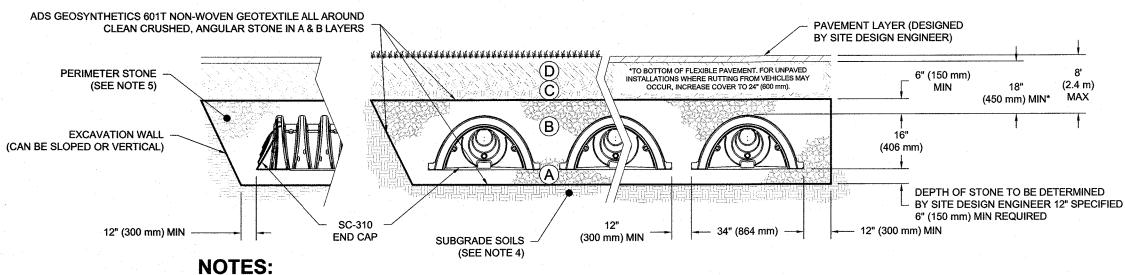
FRAME AND GRATE

CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

ACCEPTABLE FILL MATERIALS: STORMTECH SC-310 CHAMBER SYSTEMS

		MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
/ITH	D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
IN)	C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	OR	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 ibs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 ibs (89 kN).
NCE STIC	. В	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
	Α	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3}

THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE". THAT DEMONSTRATES THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL 2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.

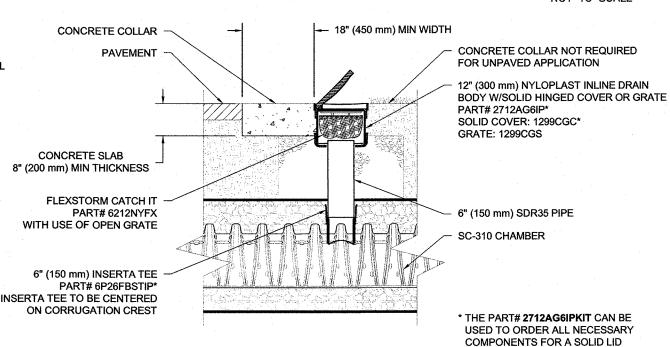


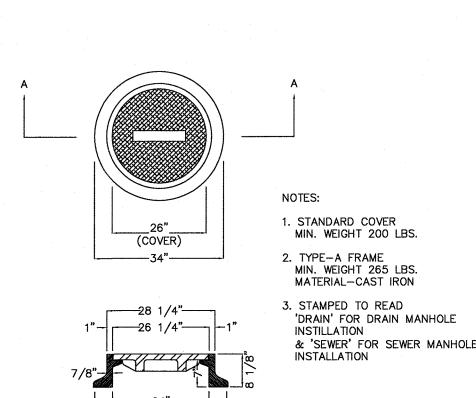
- 1. SC-310 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS", OR ASTM F2922 "STANDARD SPECIFICATION FOR POLYETHYLENE (PE) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- 2. SC-310 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL
- 3. "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
- 4. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
- 5. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS. 6. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

SC-310 CROSS SECTION DETAIL

STORMTECH SC-310 DETAILS AND SPECIFICATIONS

INSPECTION PORT INSTALLATION

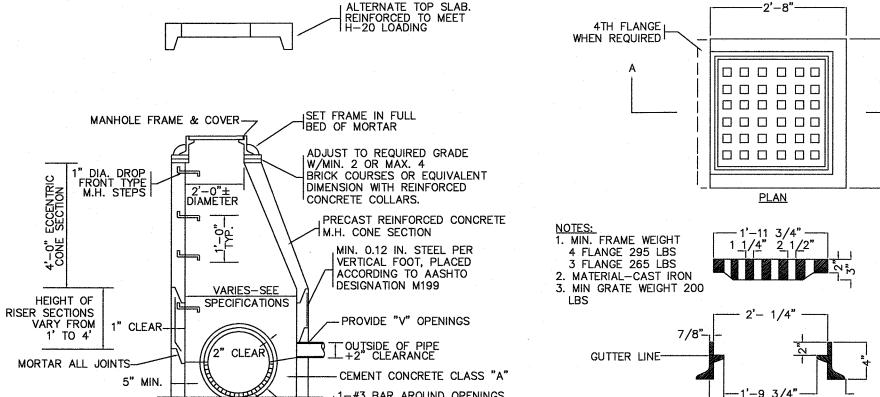




SC-310 6" (150 mm) INSPECTION PORT DETAIL

STANDARD MANHOLE FRAME & COVER NOT TO SCALE

SECTION A-A



FOR PIPES 18" DIAMETER AND OVER, 1" COVER

IN RISER SECTION

PIPE OPENINGS TO BE PRECAST

PRECAST CONCRETE DRAIN MANHOLE

SECTION A-A

STANDARD CATCH BASIN FRAME & GRATE NOT TO SCALE

DRC DRAWN: SCALE: 1" = 20'

NO DATE

SEAL

REVISIONS

AAAAAA 9/13/2

JUNE 21, 2021

1 06/21/2021 PERMIT SUBMISSION

2 09/13/2021 RESPONSE TO COMMENTS

CIVIL ENGINEERING / LAND SURVEYING 249 SOUTH STREET UNIT 1 PLAINVILLE, MA 02762

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TEL. (508) 695-2221 FAX. (508) 695-2219 **DETAILS**

SHEET 7 OF 7

CDS UNIT DETAILS AND SPECIFICATIONS

NOT TO SCALE

MORTAR ALL

HEIGHT OF

VARY FROM

1' TO 4'

RISER SECTIONS

JOINTS

NOT TO SCALE

PRECAST CONCRETE DOUBLE CATCH BASIN

WITH GAS AND OIL SEPARATOR

MIN. 0.12 IN. STEEL PER

VERTICAL FOOT, PLACED

ACCORDING TO AASHTO

PROVIDE "V" OPENINGS

VARIES DEPENDING

SEPARATOR TO BE

"NEENAH R-3705"

OR APPROVED EQUAL

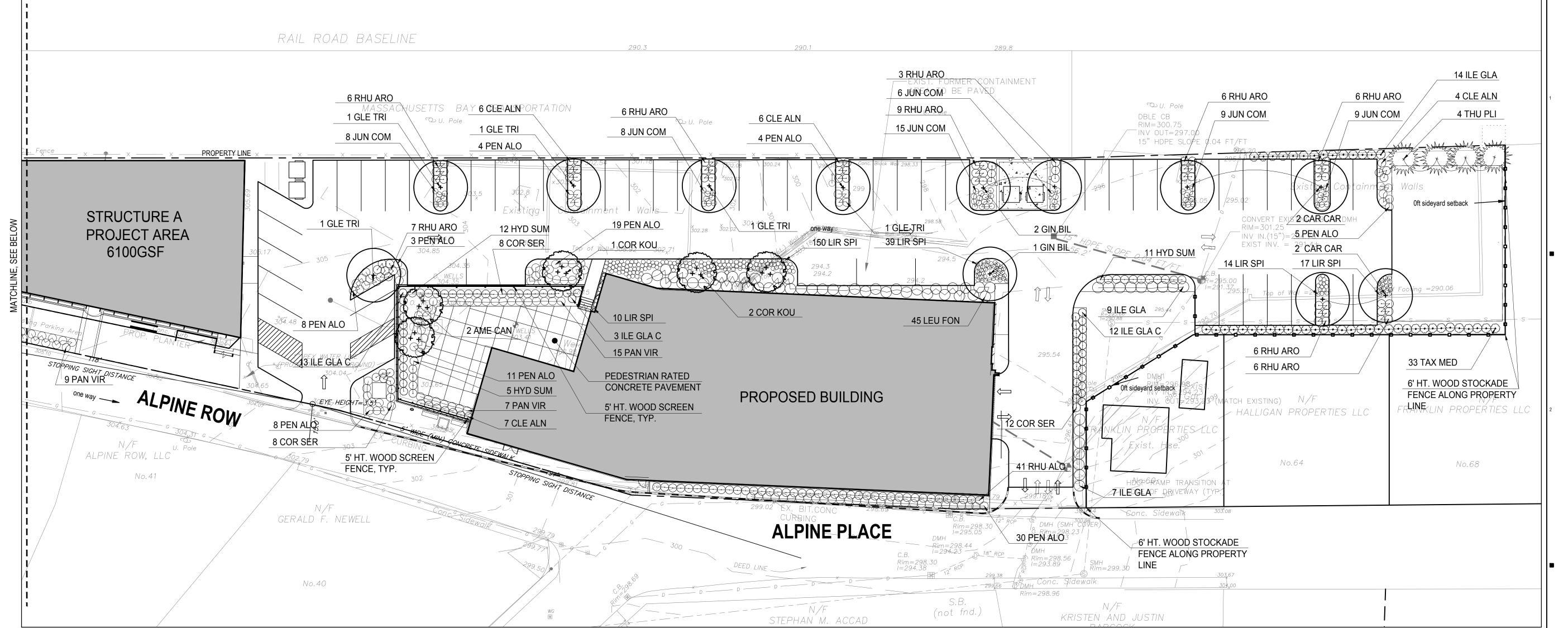
ON DIAM. OF PIPE

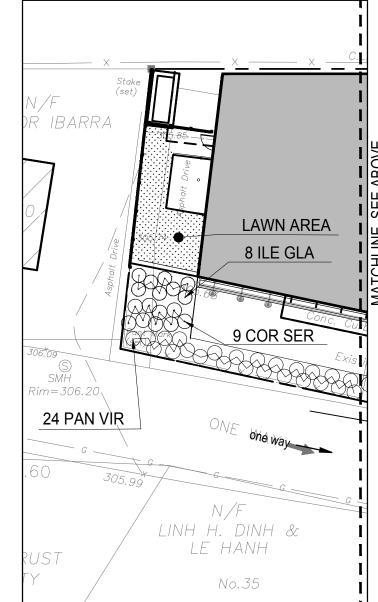
(MINIMUM 12")

DESIGNATION M199

+2" CLEARANCE

8" CAST-IN-PLACE BASE





PLANTING NOTES

- 1. BASE FILE SURVEY INFORMATION PROVIDED BY JOE THE ARCHITECT, MAY 05, 2021.
- IF DISCREPANCIES EXIST BETWEEN THE NUMBER OF PLANTS DRAWN ON THE PLANTING PLAN AND THE NUMBER OF PLANTS IN THE PLANT LIST, THE PLANTING PLAN SHALL GOVERN.
- 3. ALL NEW PLANT MATERIAL SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED FOR NURSERY STOCK PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION. IN ADDITION, ALL NEW PLANT MATERIAL FOR THE PROJECT SHALL BE OF SPECIMEN QUALITY.
- 4. ALL NEW PLANTS TO BE BALLED AND BURLAPPED OR CONTAINER-GROWN, UNLESS OTHERWISE NOTED ON THE PLANT LIST.
- THE PLANTING SHOWN ON THE DRAWINGS.

 6. ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT

5. THE CONTRACTOR SHALL SUPPLY ALL NEW PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE

- OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE, AND ONLY AFTER WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.

 7. CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING UTILITY LINES PRIOR TO PLANTING AND SHALL
- REPORT ANY CONFLICTS TO THE LANDSCAPE ARCHITECT.

 8. STAKE LOCATION OF ALL PROPOSED PLANTING FOR APPROVAL BY OWNER'S REP PRIOR TO THE
- COMMENCEMENT OF PLANTING.

 9. NEW SHRUBS AND GROUND COVER SHALL BEAR THE SAME RELATIONSHIP TO GRADE AS IT BORE TO

PREVIOUS GRADE. TREES SHALL BE SET 3" HIGHER THAN PREVIOUS GRADE. NO TREES SHALL BE

- 10. ALL PLANT BEDS TO RECEIVE THREE INCHES (3") OF BARK MULCH AS PER THE SPECIFICATIONS.
- 11. ALL EXISTING TREES TO REMAIN SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION. PROTECTION TECHNIQUES SHALL BE REVIEWED AND APPROVED BY THE OWNER'S REP.
- 12. PRUNE EXISTING AND NEW TREES IN ACCORDANCE WITH THE SPECIFICATIONS.

PLANTED BEFORE ACCEPTANCE OF ROUGH GRADING.

- 13. CONTRACTOR SHALL PROVIDE FULL DEPTHS OF LOAM AS NOTED ON DETAILS AND AS SPECIFIED, FOR ALL PLANTING.
- 14. ALL TREES TO BE REMOVED FROM SCOPE OF WORK SHALL INCLUDE GRINDING OF STUMP AND REMOVAL OFF-SITE.
- 15. ANY EXISTING TREES AFFECTED BY CONSTRUCTION SHALL HAVE ROOTS PRUNED PER THE SPECIFICATIONS.

PLANTIN	NG SC	HEDULE			
SYM	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING/NOTES
SHADE TREES		I			I
GIN BIL	3	Ginkgo biloba	Ginkgo	2 - 2 ½" CAL	B&B
GLE TRI	5	Gleditsia triacanthos	Honeylocust	2 - 2 ½" CAL	B&B
CAR CAR	4	Carpus carolinia	American Hornbeam	2 - 2 ½" CAL	B&B, NATIVE
ORNAMENTAL T	REES	•		•	-
AME CAN	2	Amelanchier canadensis	Serviceberry	8-10' HT.	B&B Multi-stem, NATIVE
COR KOU	3	Cornus kousa	Kousa Dogwood	8-10' HT.	B&B Multi-stem
EVERGREEN TR	REES	-	•	•	
THU PLI	4	Thuja plicata 'Nana'	Dwarf Western Arbovitae	8-10' HT.	B&B
EVERGREEN	SHRUBS	•			•
ILE GLA C	28	llex glabra 'compacta'	Compact Inkberry	24"-36" HT	36" O.C. NATIVE
ILE GLA	38	llex glabra	Inkberry	24"-36" HT	42" O.C. NATIVE
LEU FON	45	Leucothoe fontanesiana 'Compacta'	Compact Drooping Leucothoe	2 Gal.	48" O.C. NATIVE
TAX MED	33	Taxus media 'Hill's Upright'	Hill's Upright Yew	36"-48" HT	36" O.C.
DECIDUOUS SH	RUBS	•	•	•	•
CLE ALN	23	Clethra alnifolia 'Compacta;	Compact Summersweet	3 Gal.	48" O.C. NATIVE
COR SER	37	Cornus Sericea 'kelseyi'	Kelsey Dogwood	3 Gal.	48" O.C. NATIVE
HYD SUM	28	Hydrangea 'Endless Summer'	Endless Summer Hydrangea	3 Gal.	36" O.C.
RHU ARO	90	Rhus aromatica 'Gro Low'	Gro-Low Fragrant Sumac	3 Gal.	36" O.C. NATIVE
ORNAMENTAL C	GRASSES A	ND PERENNIALS	•	•	•
JUN COM	37	Juniperus communis	Common Juniper	1 Gal.	24" O.C. NATIVE
LIR SPI	230	Liriope spicata	Lily Turf	1 Gal.	18" O.C.
PAN VIR	55	Pannicum virgatum 'Shenandoah'	Switch Grass	1 Gal.	36" O.C. NATIVE
PEN ALO	92	Pennisetum alopecuroides 'hameln'	Hameln Fountain Grass	1 Gal.	36" O.C.



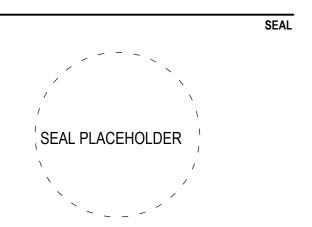
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717/E7(VENOE, W/WEBONGOON, W/WO1702

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PROJECT INFORMATION

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ISSUE CHA

SHEET NAME

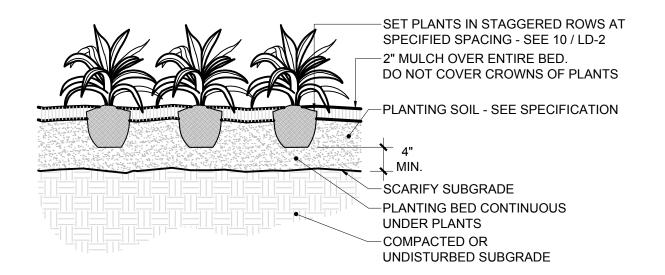
SHEET NUMBER

DATE	SEPTEMBER 17, 2021
PROJECT NUMBER	440
CHECKED	JL
APPROVED	JL
SCALE	1"= 20'-0"

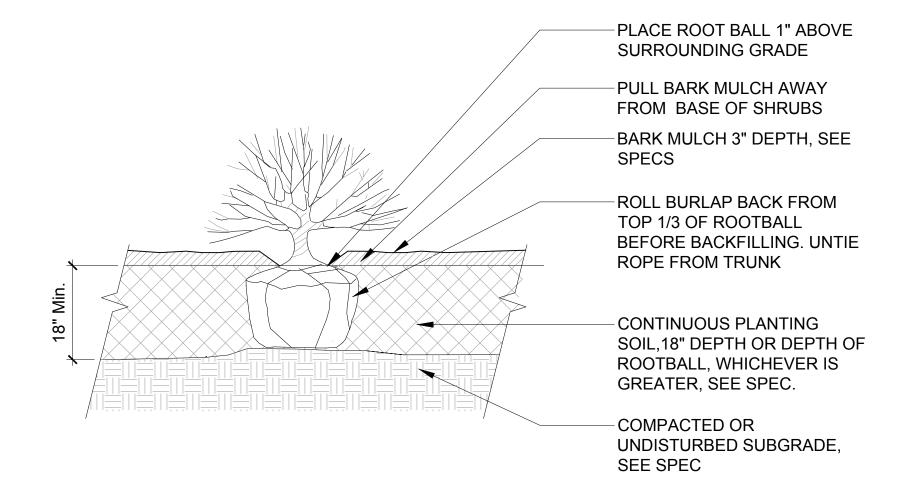
SITE LANDSCAPE PLAN



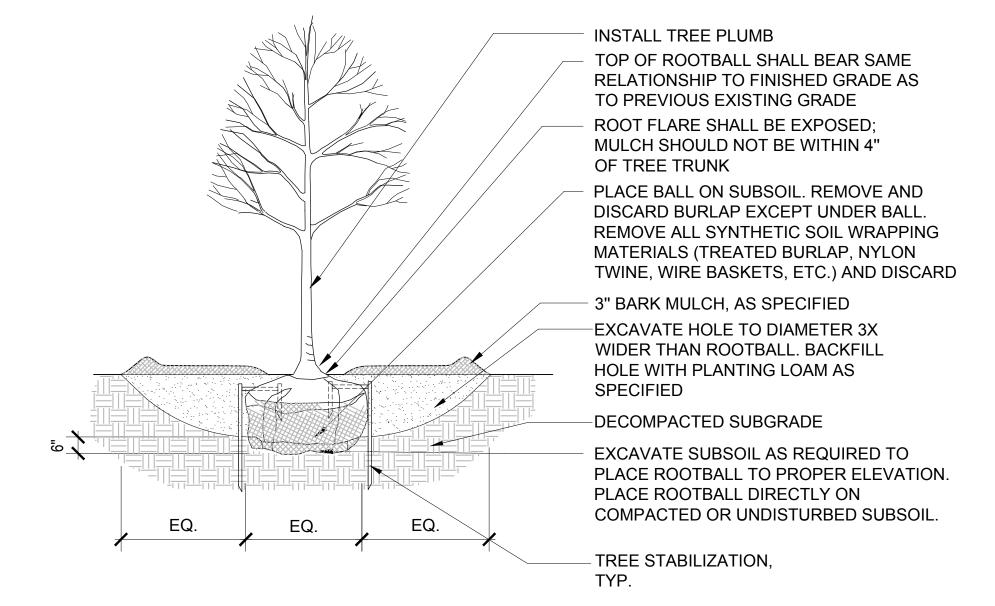
LA-01



PERENNIAL/GROUNDCOVER PLANTING SCALE: NTS

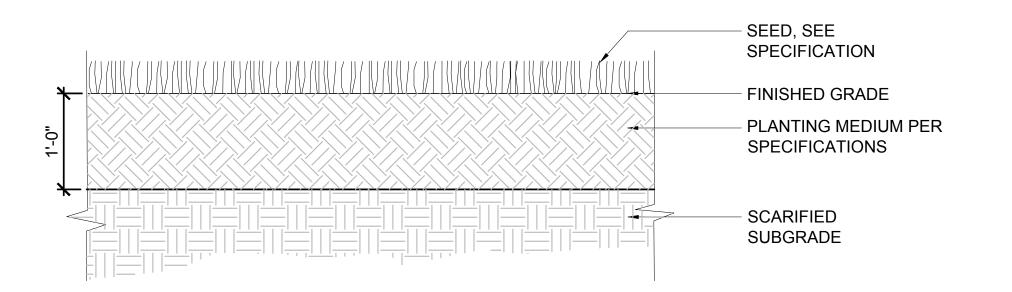


5 SHRUB PLANTING
SCALE: NTS



DECIDUOUS TREE PLANTING SCALE: NTS INSTALL TREE PLUMB -ROOTFLARE SHALL BE EXPOSED; BARK MULCH SHOULD NOT BE WITHIN 4" OF TREE TRUNK TOP OF ROOTBALL SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS TO PREVIOUS EXISTING GRADE BARK MULCH 3" DEPTH, SEE SPECIFICATION CONTINUOUS PLANTING SOIL, SEE SPECIFICATION FOR SOIL VOLUME REQUIREMENTS EXCAVATE SUBSOIL AS REQUIRED TO PLACE ROOTBALL TO PROPER ELEVATION. PLACE ROOTBALL DIRECTLY ON COMPACTED OR UNDISTURBED SUBSOIL SOIL. BACKFILL TREE HOLE WITH SPECIFIED PLANTING SOIL. 3:1 -DECOMPACTED OR UNDISTURBED SUBGRADE, SEE SPECS TREES STAPLES, TYP. (3) PER TREE, SEE DETAIL 8 / LD-4G EQ EQ EQ

2 EVERGREEN TREE PLANTING
SCALE: NTS



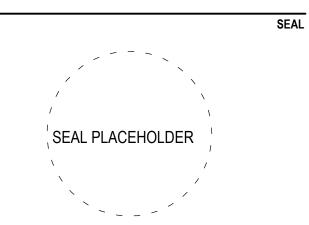
SEEDED LAWN

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WALKER
DEVELOPMENT
& CONSTRUCTION MANAGEMENT

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ISSUE CHART

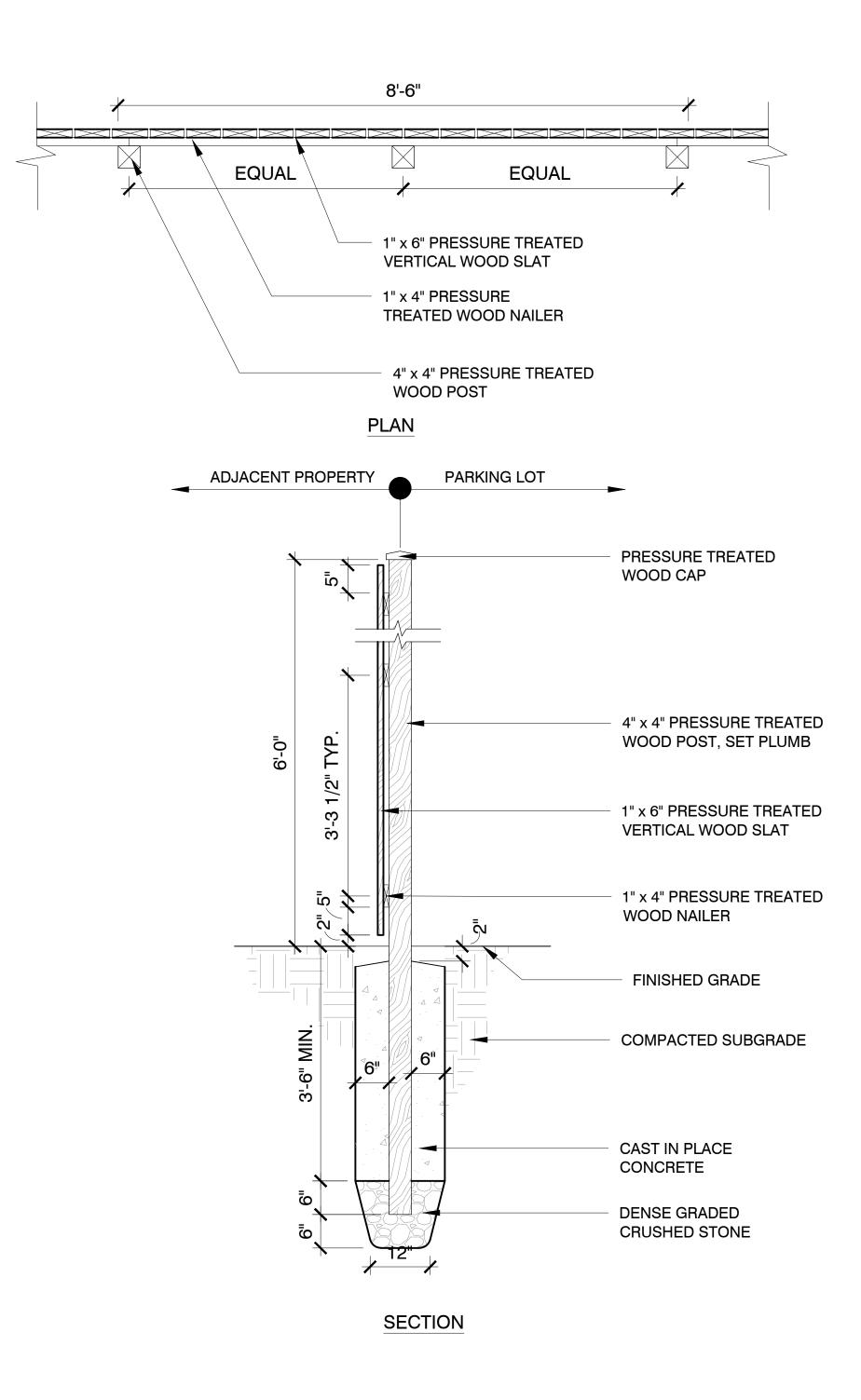
DATE	SEPTEMBER 17, 2021
PROJECT NUMBER	440
CHECKED	JL
APPROVED	JL
SCALE	1"= 20'-0"
SHEET NAME	

SITE LANDSCAPE DETAILS

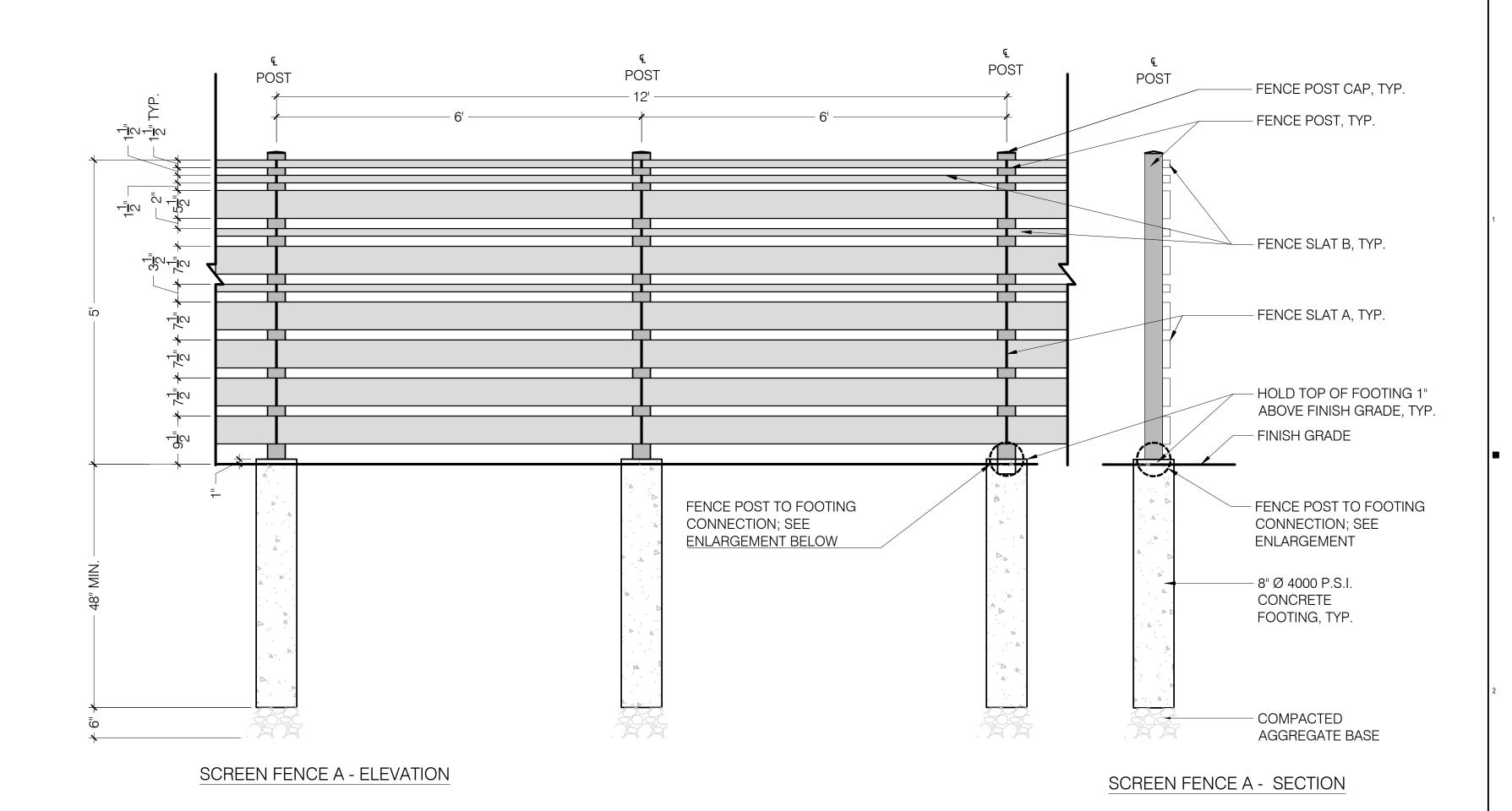


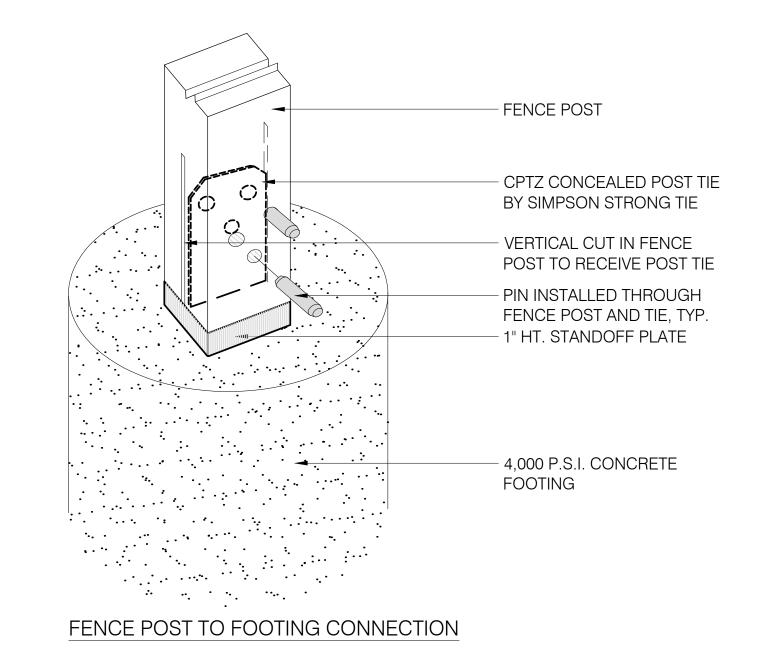
LA-02

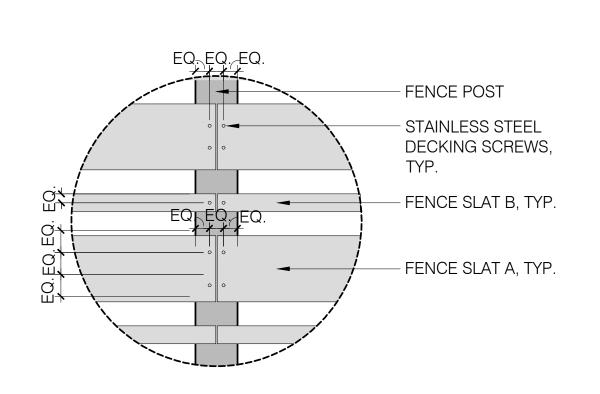
SHEET NUMBER



6' HT. WOOD STOCKADE FENCE
SCALE: NTS







FENCE SLAT CONNECTION

NOTES:

- 1. FENCE POST SHALL BE 4X4 NOM. EASTERN RED CEDAR POST
- FENCE SLAT 'A' SHALL BE 2X6 NOM. EASTERN RED CEDAR BOARD
 FENCE SLAT 'B' SHALL BE 2X2 NOM. EASTERN RED CEDAR BOARD
- 4. GAPS BETWEEN FENCE SLATS SHALL BE 2" CLEAR, TYP. EXCEPT
- WHERE SHOWN ON THE DETAIL
- 5. ALL FENCE PANELS SHALL BE INSTALLED PARALLEL WITH VARYING HORIZONTAL, AND LINEAR OFFSETS.
- 6. PROVIDE SHOP DRAWINGS PRIOR TO FABRICATION.

1 WOOD

WOOD SCREEN FENCE AT OUTDOOR TERRACE

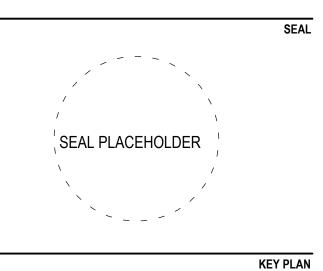
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SCALE	1"= 20'-0"

SITE LANDSCAPE DETAILS



LA-03

SHEET NAME

SHEET NUMBER

DECIDUOUS TREES -

Carpinus caroliniana Ginkgo biloba

Gledistia tricanthos

American Hornbeam Maidenhair Tree Thornless Honeylocust

ORNAMENTAL TREES -

Amelanchier canadensis Serviceberry Cornus kousa Kousa Dogwood

EVERGREEN TREES -

Thuja plicata 'Nana'

Dwarf Western Arbovitae





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TREE PLANTING OPTIONS



EVERGREEN SHRUBS -

Taxus media 'Hill's Upright' Hill's Upright Yew llex glabra 'Compacta' Compact Inkberry llex glabra Inkberry

DECIDUOUS SHRUBS -

Hydrangea macrophylla 'Endless Summer' Endless Summer Hydragea Rhus aromatica 'Gro-low' Gro-low Fragrant Sumac

Clethra alnifolia Summersweet Clethra Redtwig Dogwood Cornus sericia

PERENNIALS/GRASSES/GROUNDCOVER -

Blue Lilyturf Liriope muscari Pennisetum alopecuroides Fountain Grass

Panicum virgatum 'Shenandoah' Shenandoah Switch Grass Juniperus communis Common Juniper

















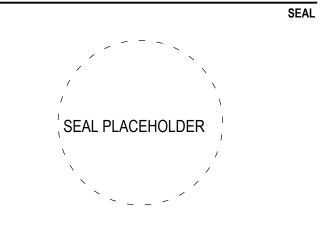
SHRUB & PERENNIAL PLANTING OPTIONS MAY 17, 2021

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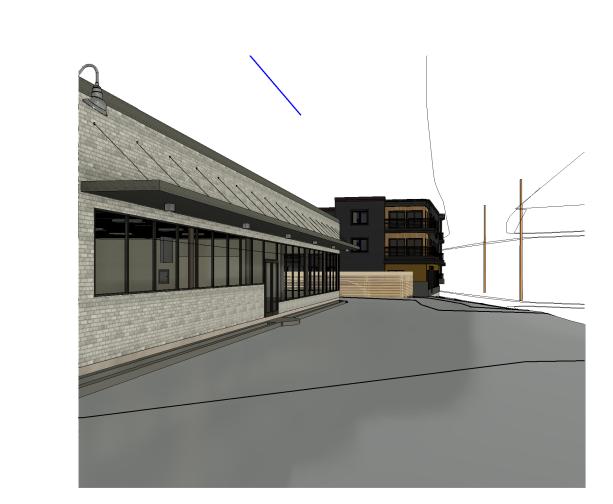
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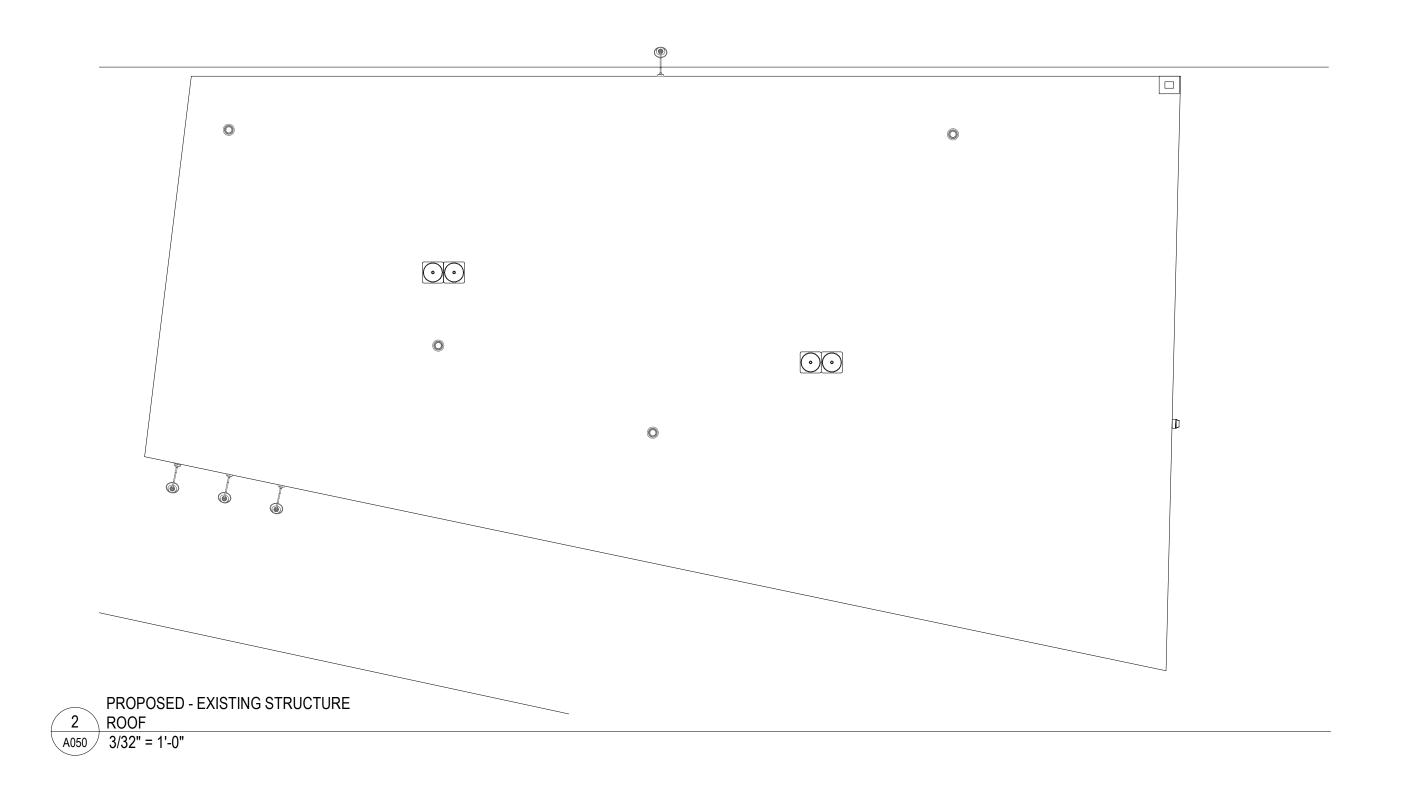
SITE LANDSCAPE **PLANT IMAGERY**

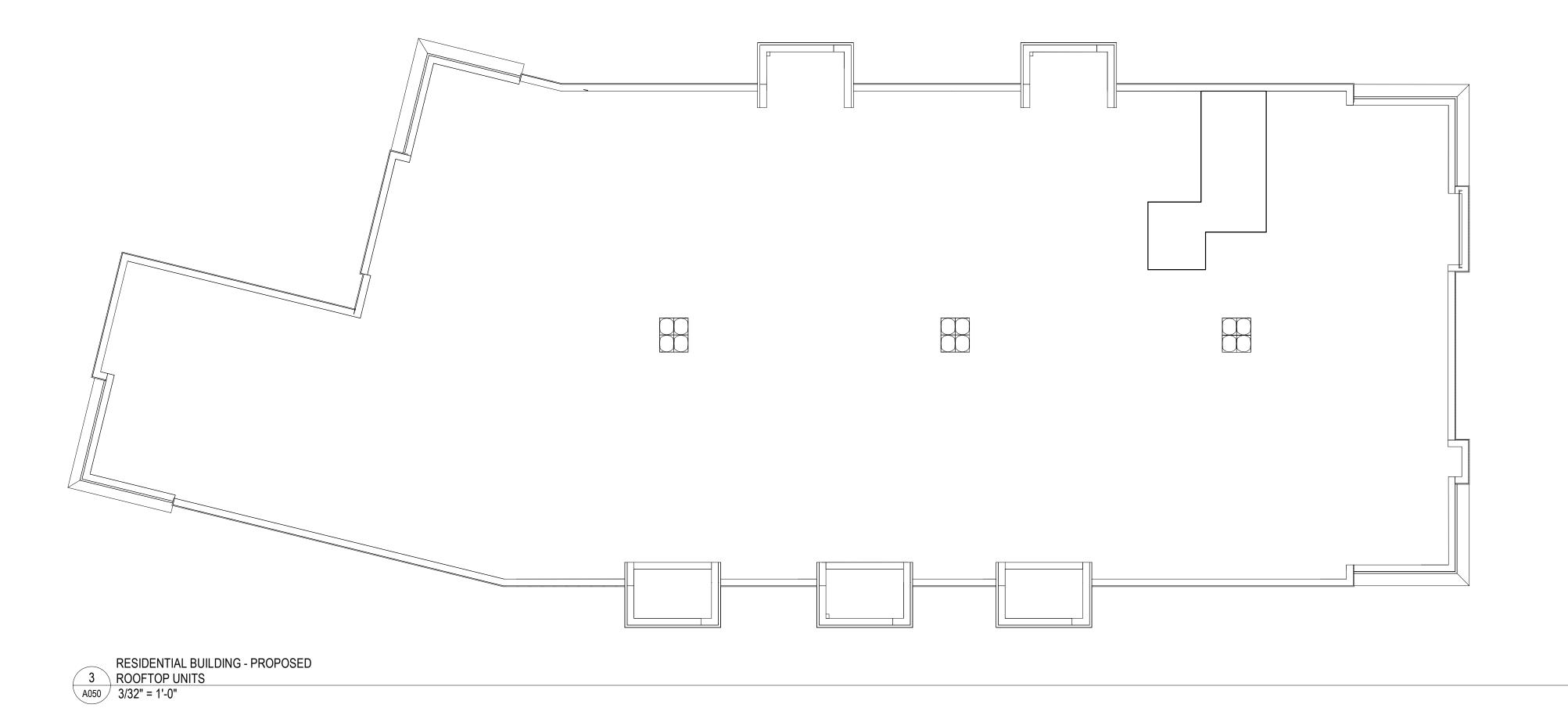


SHEET NUMBER



1 VIEW FROM SOUTH PROPERTY LINE







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KEY PLAN

PROJECT INFORMATION

THE ENGINE YARD

40 ALPINE ROW FRANKLIN, MA 02038

FOR ZONING

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440 PROJECT NUMBER Checker Approver 3/32" = 1'-0"

PROPOSED ROOF

PLAN

SHEET NUMBER

SHEET NAME



PROPOSED BUILDING FINISHES

J t A

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VALKER DEVELOPMENT

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J WIT. NOTAL AVENUE, MANEDONOUGH, MA 0170.

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KEY PLAN

PROJECT INFORMATION
THE ENGINE YARD

40 ALPINE ROW

FRANKLIN, MA 02038

FOR ZONING

8/18/2021 4:25:35 P

ISSUE CHART

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DESIGN REVIEW PLANNING BOARD 06/23/2021

ISSUE DATE PROJECT NUMBER

Checker CHECKED

Approver

1/8" = 1'-0" SCALE
SHEET NAME

EXTERNAL ELEVATIONS

SHEET NUMBER

A201



J t A

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SEAL

CONSULTANT

CLIENT



KEY PLAN

PROJECT INFORMATION

THE ENGINE YARD

40 ALPINE ROW FRANKLIN, MA 02038

FOR ZONING

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ISSUE CHART

DESIGN REVIEW 06/23/2021
PLANNING BOARD 06/23/2021

ISSUE DATE

440 PROJECT NUMBER

CHECKED

ac APPROVED

1/8" = 1'-0" SCALE
SHEET NAME

EXTERNAL ELEVATIONS

SHEET NUMBER

A202

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